

# Michel Aurrand-Lions

## List of Publications by Year in descending order

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94  
papers

5,559  
citations

81900  
39  
h-index

79698  
73  
g-index

99  
all docs

99  
docs citations

99  
times ranked

7286  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adhesion mechanisms regulating the migration of monocytes. <i>Nature Reviews Immunology</i> , 2004, 4, 432-444.	22.7	466
2	Dual role of macrophages in tumor growth and angiogenesis. <i>Journal of Leukocyte Biology</i> , 2006, 80, 705-713.	3.3	255
3	Heterogeneity of endothelial junctions is reflected by differential expression and specific subcellular localization of the three JAM family members. <i>Blood</i> , 2001, 98, 3699-3707.	1.4	244
4	Spermatid differentiation requires the assembly of a cell polarity complex downstream of junctional adhesion molecule-C. <i>Nature</i> , 2004, 431, 320-324.	27.8	235
5	The junctional adhesion molecule (JAM) family members JAM-2 and JAM-3 associate with the cell polarity protein PAR-3: a possible role for JAMs in endothelial cell polarity. <i>Journal of Cell Science</i> , 2003, 116, 3879-3891.	2.0	234
6	JAM-2, a Novel Immunoglobulin Superfamily Molecule, Expressed by Endothelial and Lymphatic Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 2733-2741.	3.4	210
7	Homing Phenotypes of Tumor-Specific CD8 T Cells Are Predetermined at the Tumor Site by Crosspresenting APCs. <i>Immunity</i> , 2005, 22, 175-184.	14.3	209
8	Junctional adhesion molecule-2 (JAM-2) promotes lymphocyte transendothelial migration. <i>Blood</i> , 2002, 100, 2479-2486.	1.4	175
9	Angiogenesis and inflammation face off. <i>Nature Medicine</i> , 2006, 12, 171-172.	30.7	158
10	Crystal structure of human junctional adhesion molecule 1: Implications for reovirus binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5366-5371.	7.1	144
11	Vanin-1, a Novel GPI-Linked Perivascular Molecule Involved in Thymus Homing. <i>Immunity</i> , 1996, 5, 391-405.	14.3	141
12	Circadian Expression of Migratory Factors Establishes Lineage-Specific Signatures that Guide the Homing of Leukocyte Subsets to Tissues. <i>Immunity</i> , 2018, 49, 1175-1190.e7.	14.3	141
13	JAM-C regulates unidirectional monocyte transendothelial migration in inflammation. <i>Blood</i> , 2007, 110, 2545-2555.	1.4	140
14	Presence of CD4+CD8+ doubleâ€positive T cells with very high interleukinâ€4 production potential in lesional skin of patients with systemic sclerosis. <i>Arthritis and Rheumatism</i> , 2007, 56, 3459-3467.	6.7	127
15	Tumour angiogenesis is reduced in the Tc1 mouse model of Downâ€™s syndrome. <i>Nature</i> , 2010, 465, 813-817.	27.8	122
16	Junctional Adhesion Molecule-C Regulates the Early Influx of Leukocytes into Tissues during Inflammation. <i>Journal of Immunology</i> , 2005, 174, 6406-6415.	0.8	117
17	Junctional Adhesion Molecule A Serves as a Receptor for Prototype and Field-Isolate Strains of Mammalian Reovirus. <i>Journal of Virology</i> , 2005, 79, 7967-7978.	3.4	115
18	Dual Interaction of JAM-C with JAM-B and Î²2Integrin: Function in Junctional Complexes and Leukocyte Adhesion. <i>Molecular Biology of the Cell</i> , 2005, 16, 4992-5003.	2.1	109

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19	Antibody against Junctional Adhesion Molecule-C Inhibits Angiogenesis and Tumor Growth. Cancer Research, 2005, 65, 5703-5710.	0.9	100
20	JAM Family and Related Proteins in Leukocyte Migration (Vestweber Series). Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 2104-2112.	2.4	97
21	A novel immunoglobulin superfamily junctional molecule expressed by antigen presenting cells, endothelial cells and platelets. Molecular Immunology, 1998, 35, 1111-1119.	2.2	90
22	Somatodendritic Expression of JAM2 Inhibits Oligodendrocyte Myelination. Neuron, 2016, 91, 824-836.	8.1	79
23	JAM-C Regulates Tight Junctions and Integrin-mediated Cell Adhesion and Migration. Journal of Biological Chemistry, 2007, 282, 1830-1837.	3.4	78
24	Indirect Effects of Leptin Receptor Deficiency on Lymphocyte Populations and Immune Response in <i>db/db</i> Mice. Journal of Immunology, 2006, 177, 2899-2907.	0.8	75
25	Identification of a New Stromal Cell Type Involved in the Regulation of Inflamed B Cell Follicles. PLoS Biology, 2013, 11, e1001672.	5.6	64
26	cAMP Signaling by Anthrax Edema Toxin Induces Transendothelial Cell Tunnels, which Are Resealed by MIM via Arp2/3-Driven Actin Polymerization. Cell Host and Microbe, 2011, 10, 464-474.	11.0	62
27	The Human PDZome: A Gateway to PSD95-Disc Large-Zonula Occludens (PDZ)-mediated Functions. Molecular and Cellular Proteomics, 2013, 12, 2587-2603.	3.8	59
28	Junctional Adhesion Molecule-C Mediates Leukocyte Infiltration in Response to Ischemia Reperfusion Injury. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1509-1515.	2.4	57
29	Expression and Function of Junctional Adhesion Molecule-C in Myelinated Peripheral Nerves. Science, 2007, 318, 1472-1475.	12.6	55
30	JAM-B regulates maintenance of hematopoietic stem cells in the bone marrow. Blood, 2011, 118, 4609-4619.	1.4	47
31	Bi-allelic JAM2 Variants Lead to Early-Onset Recessive Primary Familial Brain Calcification. American Journal of Human Genetics, 2020, 106, 412-421.	6.2	47
32	CD146 Expression in Human Breast Cancer Cell Lines Induces Phenotypic and Functional Changes Observed in Epithelial to Mesenchymal Transition. PLoS ONE, 2012, 7, e43752.	2.5	47
33	Nidogen-1 Contributes to the Interaction Network Involved in Pro-B Cell Retention in the Peri-sinusoidal Hematopoietic Stem Cell Niche. Cell Reports, 2019, 26, 3257-3271.e8.	6.4	46
34	CD146 mediates VEGF-induced melanoma cell extravasation through FAK activation. International Journal of Cancer, 2015, 137, 50-60.	5.1	45
35	The last molecular fortress in leukocyte trans-endothelial migration. Nature Immunology, 2002, 3, 116-118.	14.5	44
36	Pulmonary dysfunction and impaired granulocyte homeostasis result in poor survival of Jam-C-deficient mice. Journal of Pathology, 2007, 212, 198-208.	4.5	44

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37	Thymocytes and RelB-dependent medullary epithelial cells provide growth-promoting and organization signals, respectively, to thymic medullary stromal cells. <i>European Journal of Immunology</i> , 1997, 27, 1392-1397.	2.9	43
38	JAM-C Induces Endothelial Cell Permeability Through Its Association and Regulation of $\beta_3$ Integrins. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1200-1206.	2.4	43
39	Overexpression of the Promigratory and Prometastatic PTK7 Receptor Is Associated with an Adverse Clinical Outcome in Colorectal Cancer. <i>PLoS ONE</i> , 2015, 10, e0123768.	2.5	43
40	The role of junctional adhesion molecule C (JAM-C) in acute pancreatitis. <i>Journal of Pathology</i> , 2006, 209, 540-548.	4.5	41
41	Soluble Melanoma Cell Adhesion Molecule (sMCAM/sCD146) Promotes Angiogenic Effects on Endothelial Progenitor Cells through Angiomotin. <i>Journal of Biological Chemistry</i> , 2013, 288, 8991-9000.	3.4	41
42	Expression and function of junctional adhesion molecule-C in human and experimental arthritis. <i>Arthritis Research and Therapy</i> , 2007, 9, R65.	3.5	36
43	Two Human Genes Related to Murine Vanin-1 Are Located on the Long Arm of Human Chromosome 6. <i>Genomics</i> , 1998, 53, 203-213.	2.9	35
44	Neutrophil Transmigration under Shear Flow Conditions In Vitro Is Junctional Adhesion Molecule-C Independent. <i>Journal of Immunology</i> , 2007, 178, 5879-5887.	0.8	35
45	The Junctional Adhesion Molecule $\beta$ regulates JAM $\alpha$ -dependent melanoma cell metastasis. <i>FEBS Letters</i> , 2012, 586, 4046-4051.	2.8	35
46	Role of GM-CSF signaling in cell-based tumor immunization. <i>Blood</i> , 2009, 113, 6658-6668.	1.4	34
47	Function of Jam-B/Jam-C Interaction in Homing and Mobilization of Human and Mouse Hematopoietic Stem and Progenitor Cells. <i>Stem Cells</i> , 2014, 32, 1043-1054.	3.2	34
48	Protein-Protein Interaction Inhibition (2P2I)-Oriented Chemical Library Accelerates Hit Discovery. <i>ACS Chemical Biology</i> , 2016, 11, 2140-2148.	3.4	33
49	Junctional Adhesion Molecules and Interendothelial Junctions. <i>Cells Tissues Organs</i> , 2002, 172, 152-160.	2.3	32
50	Importance of Junctional Adhesion Molecule-C for Neointimal Hyperplasia and Monocyte Recruitment in Atherosclerosis-Prone Mice—Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1161-1163.	2.4	32
51	Junctional Adhesion Molecule (JAM)-C Deficient C57BL/6 Mice Develop a Severe Hydrocephalus. <i>PLoS ONE</i> , 2012, 7, e45619.	2.5	31
52	Murine Bone Marrow Niches from Hematopoietic Stem Cells to B Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2353.	4.1	31
53	Poly(ADP-ribose) polymerase-1 (PARP-1) controls lung cell proliferation and repair after hyperoxia-induced lung damage. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 293, L619-L629.	2.9	29
54	For3D: Full organ reconstruction in 3D, an automatized tool for deciphering the complexity of lymphoid organs. <i>Journal of Immunological Methods</i> , 2015, 424, 32-42.	1.4	29

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55	Cooperative expression of junctional adhesion molecule C and $\beta$ supports growth and invasion of glioma. <i>Glia</i> , 2010, 58, 524-537.	4.9	28
56	Genetic, structural, and chemical insights into the dual function of GRASP55 in germ cell Golgi remodeling and JAM-C polarized localization during spermatogenesis. <i>PLoS Genetics</i> , 2017, 13, e1006803.	3.5	28
57	Loss of Partitioning-Defective-3/Isotype-Specific Interacting Protein (Par-3/ASIP) in the Elongating Spermatid of RA175 (IGSF4A/SynCAM)-Deficient Mice. <i>American Journal of Pathology</i> , 2007, 171, 1800-1810.	3.8	26
58	Junctional adhesion molecule C (JAM-C) distinguishes CD27+ germinal center B lymphocytes from non-germinal center cells and constitutes a new diagnostic tool for B-cell malignancies. <i>Leukemia</i> , 2007, 21, 1285-1293.	7.2	24
59	KIT-D816V oncogenic activity is controlled by the juxtamembrane docking site Y568-Y570. <i>Oncogene</i> , 2014, 33, 872-881.	5.9	23
60	JAM-C Identifies Src Family Kinase-Activated Leukemia-Initiating Cells and Predicts Poor Prognosis in Acute Myeloid Leukemia. <i>Cancer Research</i> , 2017, 77, 6627-6640.	0.9	23
61	Endothelial cell junctional adhesion molecule C plays a key role in the development of tumors in a murine model of ovarian cancer. <i>FASEB Journal</i> , 2013, 27, 4244-4253.	0.5	21
62	Adhesion receptors involved in HSC and early-B cell interactions with bone marrow microenvironment. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 687-703.	5.4	20
63	Lack of junctional adhesion molecule (JAM)-B ameliorates experimental autoimmune encephalomyelitis. <i>Brain, Behavior, and Immunity</i> , 2018, 73, 3-20.	4.1	20
64	$\text{Ptk7}$ -Deficient Mice Have Decreased Hematopoietic Stem Cell Pools as a Result of Deregulated Proliferation and Migration. <i>Journal of Immunology</i> , 2016, 196, 4367-4377.	0.8	19
65	Role of interendothelial adhesion molecules in the control of vascular functions. <i>Vascular Pharmacology</i> , 2002, 39, 239-246.	2.1	17
66	Function of Junctional Adhesion Molecules (JAMs) in Leukocyte Migration and Homeostasis. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2013, 61, 15-23.	2.3	16
67	Toward Therapeutic Targeting of Bone Marrow Leukemic Niche Protective Signals in B-Cell Acute Lymphoblastic Leukemia. <i>Frontiers in Oncology</i> , 2020, 10, 606540.	2.8	15
68	Cutting Edge: JAM-C Controls Homeostatic Chemokine Secretion in Lymph Node Fibroblastic Reticular Cells Expressing Thrombomodulin. <i>Journal of Immunology</i> , 2011, 187, 603-607.	0.8	14
69	Dok1 and Dok2 Proteins Regulate Cell Cycle in Hematopoietic Stem and Progenitor Cells. <i>Journal of Immunology</i> , 2016, 196, 4110-4121.	0.8	14
70	Murine junctional adhesion molecules JAM-B and JAM-C mediate endothelial and stellate cell interactions during hepatic fibrosis. <i>Cell Adhesion and Migration</i> , 2016, 10, 419-433.	2.7	14
71	Junctional adhesion molecules JAM-B and JAM-C promote autoimmune-mediated liver fibrosis in mice. <i>Journal of Autoimmunity</i> , 2018, 91, 83-96.	6.5	14
72	Junctional adhesion molecule C (JAM-C) dimerization aids cancer cell migration and metastasis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 638-649.	4.1	13

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73	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration. PLoS Biology, 2019, 17, e3000554.	5.6	13
74	Adaptive Immune Response in JAM-C-Deficient Mice: Normal Initiation but Reduced IgG Memory. Journal of Immunology, 2009, 182, 4728-4736.	0.8	12
75	Junctional adhesion molecule B interferes with angiogenic VEGF/VEGFR2 signaling. FASEB Journal, 2015, 29, 3411-3425.	0.5	12
76	Adhesion Molecules Involved in Stem Cell Niche Retention During Normal Haematopoiesis and in Acute Myeloid Leukaemia. Frontiers in Immunology, 2021, 12, 756231.	4.8	11
77	Blockade but Not Overexpression of the Junctional Adhesion Molecule C Influences Virus-Induced Type 1 Diabetes in Mice. PLoS ONE, 2013, 8, e54675.	2.5	9
78	The microenvironment of DLBCL is characterized by noncanonical macrophages recruited by tumor-derived CCL5. Blood Advances, 2021, 5, 4338-4351.	5.2	9
79	Haemangiomas are formed by cells expressing high levels of $\alpha_v\beta_3$ integrin and lacking acetylated LDL uptake. Journal of Pathology, 2004, 203, 700-709.	4.5	8
80	In quest for leukemia initiating cells in AML. Oncoscience, 2018, 5, 9-10.	2.2	6
81	CD146 deficiency promotes plaque formation in a mouse model of atherosclerosis by enhancing RANTES secretion and leukocyte recruitment. Journal of Molecular and Cellular Cardiology, 2019, 130, 76-87.	1.9	5
82	Thy-3, a Developmentally Regulated T-Cell Glycoprotein Associated to Thy-1 in Detergent-Resistant Membrane Microdomains. Cellular Immunology, 1997, 176, 173-179.	3.0	3
83	GRASP55 Is Dispensable for Normal Hematopoiesis but Necessary for Myc-Dependent Leukemic Growth. Journal of Immunology, 2020, 204, 2685-2696.	0.8	3
84	JAM-C Expression as a Biomarker to Predict Outcome of Patients with Acute Myeloid Leukemia's Response. Cancer Research, 2018, 78, 6342-6343.	0.9	1
85	JAM-C/Jam-C Expression Is Primarily Expressed in Mouse Hematopoietic Stem Cells. HemaSphere, 2021, 5, e594.	2.7	1
86	The junctional adhesion molecule (JAM)-C is required for maintaining the integrity and function of myelinated peripheral nerves. Journal of Neuropathology and Experimental Neurology, 2007, 66, 431-432.	1.7	0
87	Flow Cytometry Analysis of Mouse Hematopoietic Stem and Multipotent Progenitor Cells. Methods in Molecular Biology, 2021, 2308, 73-81.	0.9	0
88	Junctional Adhesion Molecules (JAMs). , 2010, , 37-51.		0
89	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration. , 2019, 17, e3000554.		0
90	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration. , 2019, 17, e3000554.		0

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91	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration. , 2019, 17, e3000554.		0
92	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration. , 2019, 17, e3000554.		0
93	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration. , 2019, 17, e3000554.		0
94	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration. , 2019, 17, e3000554.		0